



SOUTH AFRRICAN RAILWAYS SIGNAL DIAGRAMS & STATION LAYOUTS

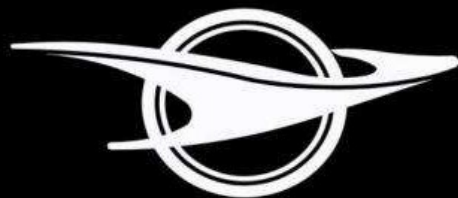


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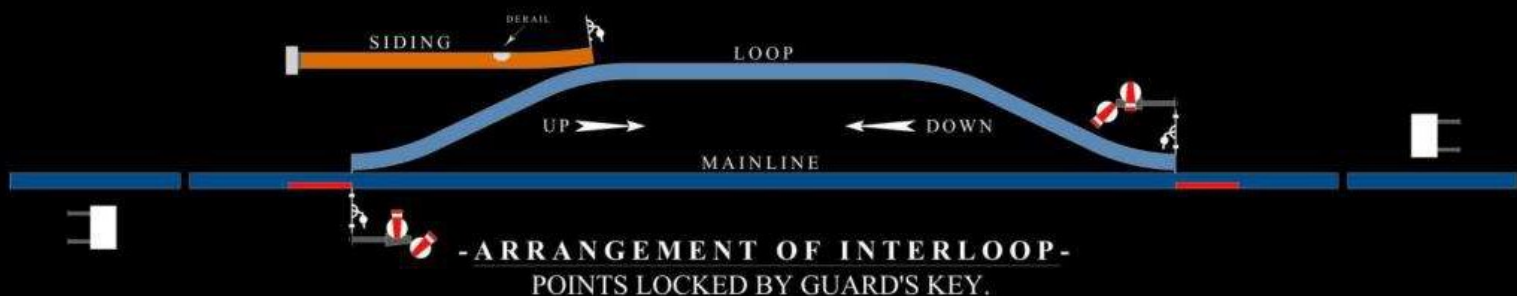


VOLUME 3

By Greg Hart



-UNATTENDED CROSSING PLACE LAYOUT-



SOUTH AFRICAN RAILWAYS SIGNAL DIAGRAMS & STATION LAYOUTS



CONTENTS

- FRONT COVER** A real treasure of a photograph! Inside the Durban Signal Cabin in 1903, in the days of the Natal Government Railways (N.G.R.).
Photo courtesy Transnet Heritage Library / Yolanda Meyer & Harry Ostrofsky.
- FRONT COVER** (Inside) A truly beautiful sight of semaphores at dawn at Oudtshoorn amid a colour spectrum that only mother nature could provide.
Photo courtesy Paul Stratford.
- PAGE 4** **INDEX OF FEATURED STATION LAYOUT DIAGRAMS**
- PAGE 5-6** **INTRODUCTION By Greg Hart**
- PAGE 6-17** **A SELECTION OF SUPPORTING PHOTOGRAPHS**
- PAGE 18-67** **FEATURED STATION LAYOUT DIAGRAMS**
- PAGE 68** (Above) The Johannesburg locking frame in the Nederlandsche Zuid-Afrikaansche Spoorweg-Maatschappij (N.Z.A.S.M.) days.
(Below) The interior of the Braamfontein Central Signal Cabin.
Photos courtesy Transnet Heritage Library / Yolanda Meyer & Harry Ostrofsky.
- BACK COVER** (Inside) While the setting sun desperately tries to break through the gathering storm clouds, the distant & outer home signals stand guard over the Free State main line at Rooiwal (January 2010).
Photo courtesy Eugene Armer.
- BACK COVER** Signalling & Train Control Equipment Examples.
Graphics by Greg Hart.



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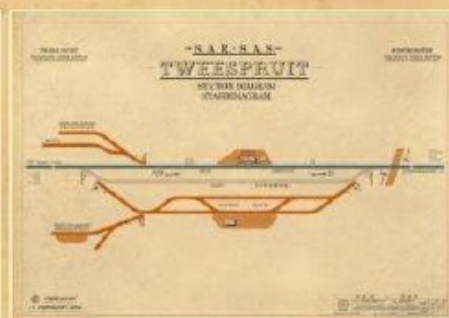
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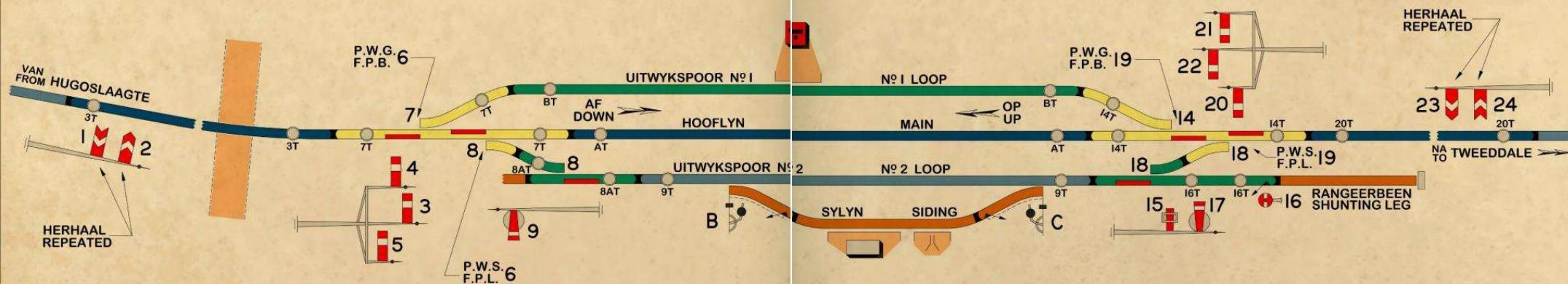
INDEX OF FEATURED STATION LAYOUT DIAGRAMS

<u>PAGES</u>	<u>STATION</u>	<u>CODE</u>	<u>No.</u>	<u>REGION</u>	<u>SECTION</u>	<u>DIAGRAM IN OPERATION</u>
18/19	ARUNDEL	ARE	384	Orange Free State	Springfontein - Noupoort	1972
20/21	BELMONT	BLT	071	Cape Northern	Kimberley - De Aar	1980
22/23	BLACKRIDGE	BKE	820	Natal	PMB - Cedara (1 st Alignment)	1978
24/25	DREUNBERG	DNB	349	Cape Eastern	Springfontein - Queenstown	1975
26/27	FAURE	FAU	146	Cape Western	Eersterivier - Proteem	1980
28/29	FICKSBURG	FXB	449	Orange Free State	Bloemfontein - Bethlehem	1912
30/31	KING WILLIAMS TOWN	KWT	352	Cape Eastern	Blaney - Cookhouse	1974
32/33	KOELENHOF	KHF	063	Cape Western	Eersterivier - Muldersvlei	1980
34/35	KOMSPRUIT	KUT	422	Orange Free State	Bethlehem - Kroonstad	1969
36/37	LIDGETTON	LGO	830	Natal	PMB - Ladysmith	1925
38/39	LYNEDOCH	LDH	059	Cape Western	Eersterivier - Muldersvlei	1980
40/41	MARSEILLES	MAS	445	Orange Free State	Bloemfontein - Bethlehem	1972
42/43	MTUNZINI	MZI	899	Natal	Stanger - Empangeni	1970
44/45	NIGEL	NLR	700	Western Transvaal	Springs - Kaydale	1972
46/47	OUDTSHOORN	OUH	313	Cape Midlands	Mossel Bay - Klipplaat	1975
48/49	PAARL	PAA	018	Cape Western	Cape Town - Wellington	1977
50/51	ROOIWAL	RWL	415	Orange Free State	Vereeniging - Kroonstad	1972
52/53	STEYNSRUS	SYS	421-5	Orange Free State	Bethlehem - Kroonstad	1980
54/55	STUTTERHEIM	SSH	331	Cape Eastern	East London - Queenstown	1971
56/57	SWARTRUGGENS	SWU	583	Western Transvaal	Krugersdorp - Mafeking	1980
58/59	THORNVILLE	TVE	812	Natal	Umlaas Road - PMB	1981
60/61	TWEESPRUIT	TST	443	Orange Free State	Bloemfontein - Bethlehem	1975
62/63	UITENHAGE	UTH	271	Cape Midlands	Graaff Reinet - Port Elizabeth	1978
64/65	UMZUMBE (Proposed)	UBI	919	Natal	Kelso - Port Shepstone	1975
66/67	WASBANK	WBK	865	Natal	Ladysmith - Glencoe	1962

Note: For the purposes of uniformity in the presentation of the remastered drawings in this publication, all of the drawings have been resized to a 5X7 (landscape) ratio in order to allow for full double-page spread display. Compliance to size and uniformity in layout proportions was not a requirement with the originals prepared by the various regional drawing offices of the South African Railways.



ARUNDEL



HEFBOME LEVERS 10. 12. 13. ORIG SPARE

ALLE SINJALE ELEKTRIES VERLIG
ALL SIGNALS ELECTRICALLY LIGHTED

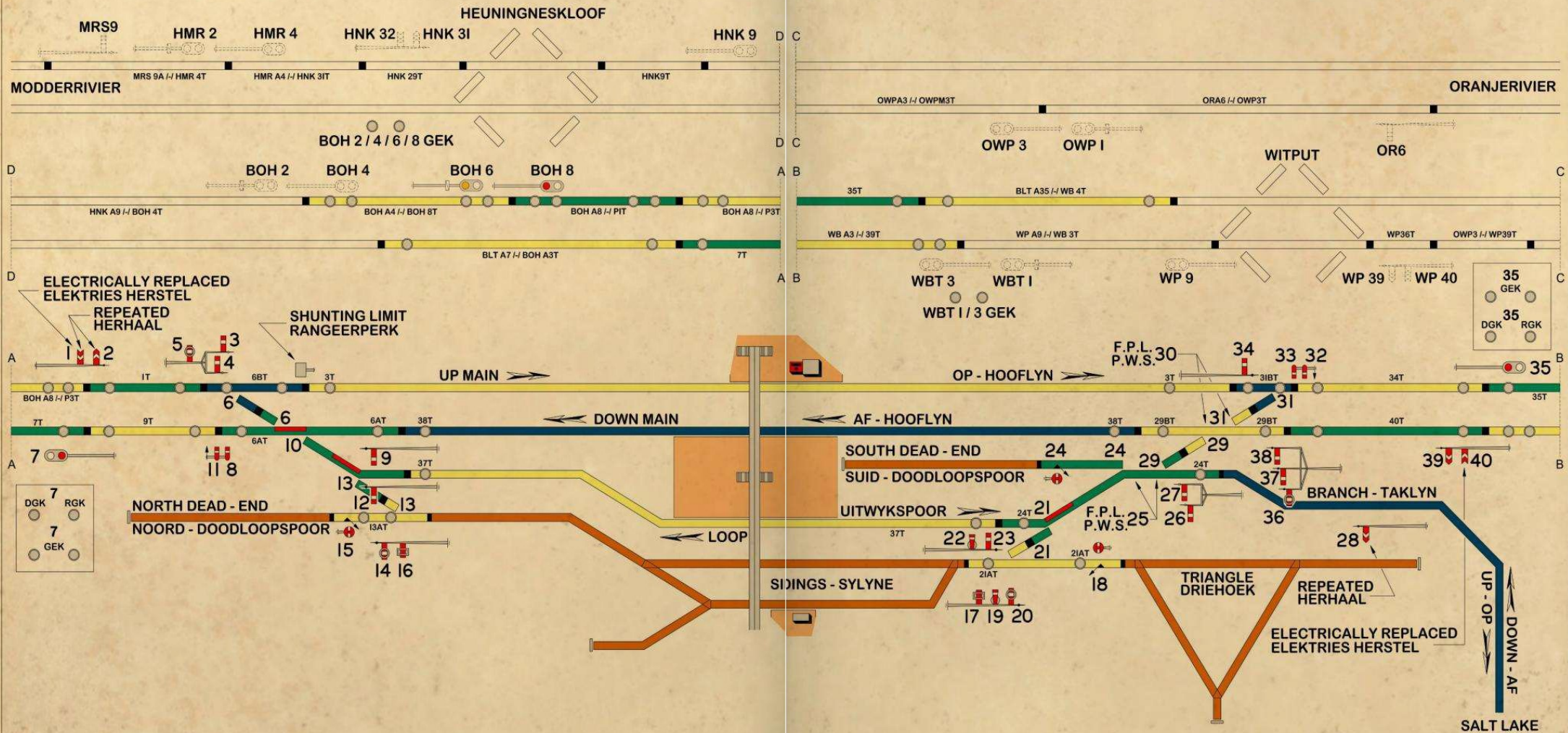
BEDRYFSMETODE VIR UITSKAKELING VAN STASIE.

1. SLEUTEL D ONTKOPPEL HEFBOOM II.
2. HEFBOOM II. HALFPAD OORGETREK.
3. HEFBOME I. 24. OORGETREK.
4. HEFBOOM II. HEELTEMAAL OORGETREK.
5. SLEUTEL D UITGETREK EN IN STASIEKANTOOR OPGESLUIT

ORDER OF WORKING FOR CLOSING STATION.

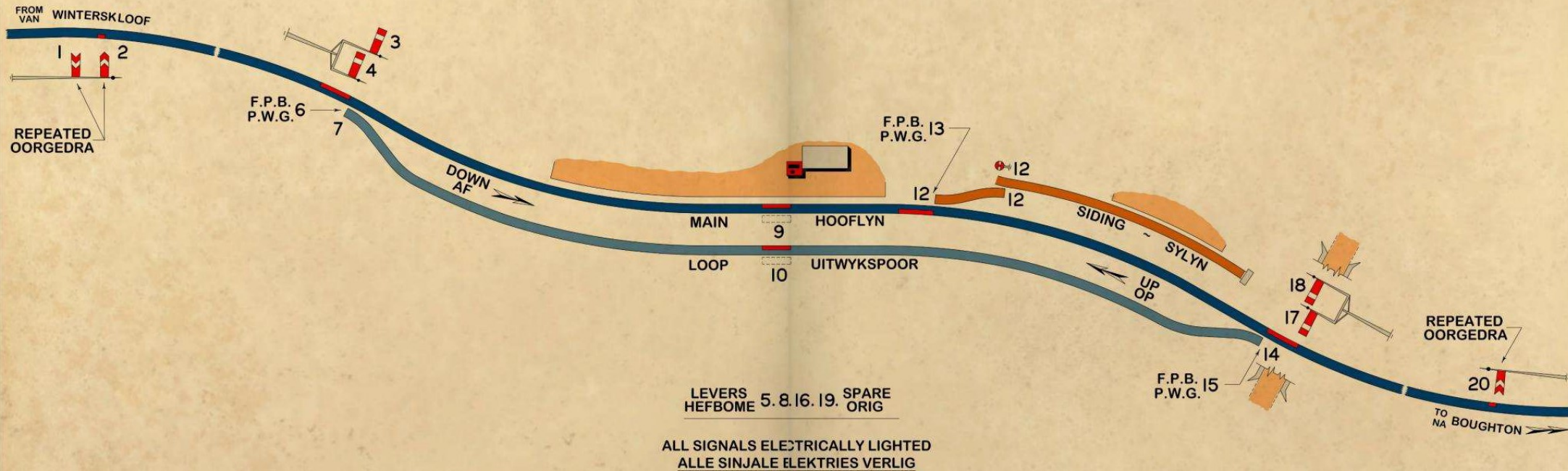
1. KEY D RELEASES LEVER II.
2. LEVER II. PULLED HALF OVER.
3. LEVERS I. 24. PULLED OVER.
4. LEVER II. PULLED FULL OVER.
5. KEY D WITHDRAWN & PLACED UNDER LOCK & KEY IN STATION OFFICE

BELMONT



ALL SIGNALS ELECTRICALLY ILLUMINATED
ALLE SINJALE ELEKTRIES VERLIG

BLACKRIDGE



ORDER OF WORKING FOR CLOSING STATION

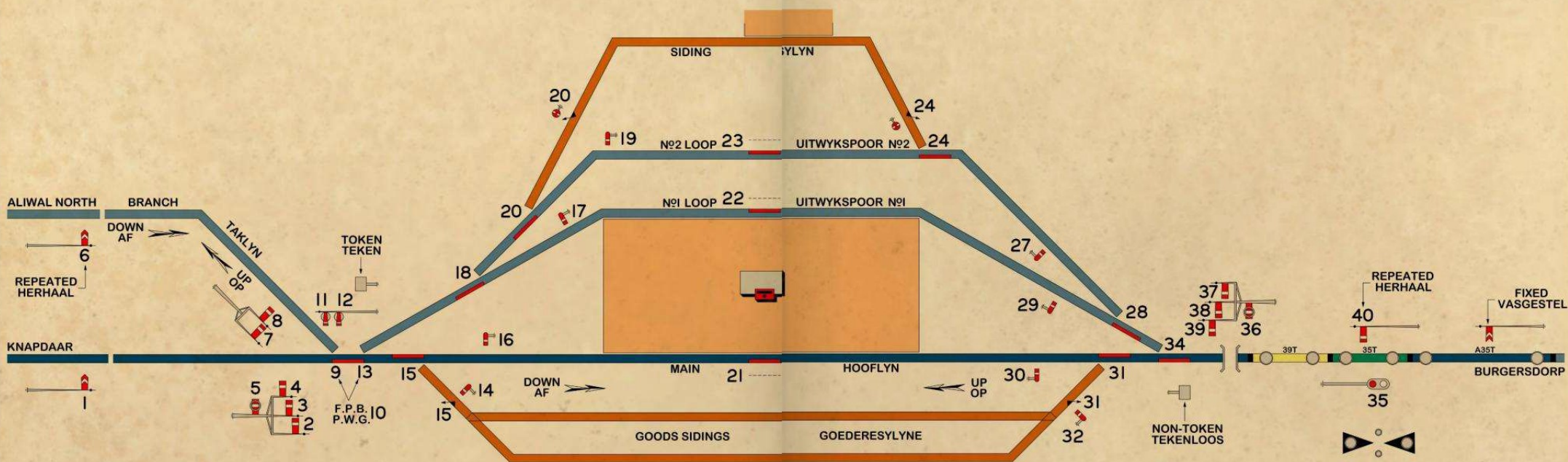
1. KEY D RELEASES LEVER II.
2. LEVER II. PULLED HALF OVER.
3. LEVERS I. 20. PULLED OVER.
4. LEVER II. PULLED FULL OVER.
5. KEY D WITHDRAWN & PLACED UNDER LOCK & KEY IN STATION OFFICE.

BEDRYFSMETODE VIR UITSKAKELING VAN STASIE.

1. SLEUTEL D ONTKOPPEL HEFBOM II.
2. HEFBOM II. HALFPAD OORGETREK.
3. HEFBOME I. 20. OORGETREK.
4. HEFBOM II. HEELTEMAAL OORGETREK.
5. SLEUTEL D UITGETREK EN IN STASIEKANTOOR OPGESLUIT

LEVERS	2526.33.	SPARE
HEFBOME		ORIG

ALL SIGNALS ELECTRICALLY LIGHTED
ALLE SINJALE ELEKTRISCH VERLICHT



S. A. R. ~ S. A. S.		HERSIENING:	
SYSTEM AFDELING SIGNALS SINJALE	C.R. COLLEN.	C.F. FOURIE.	No S/EL 4G 349
EAST LONDON	SYSTEM MANAGER AFDELINGSBESTUURDER	CHIEF SIGNAL ENGINEER HOOFDSINJAALINGENIEUR	AMENDMENT WYSIGING 4
	DATUM: 17 - 08 - 1975	DATE:	123

BACKSTROKE OF 3 LOCKS 3.14. UNTIL 9 PULLED AND REPLACED.
TERUGSLAG VAN GRENDSEL TOTDAT OORGETREK EN HERSTEL IS.

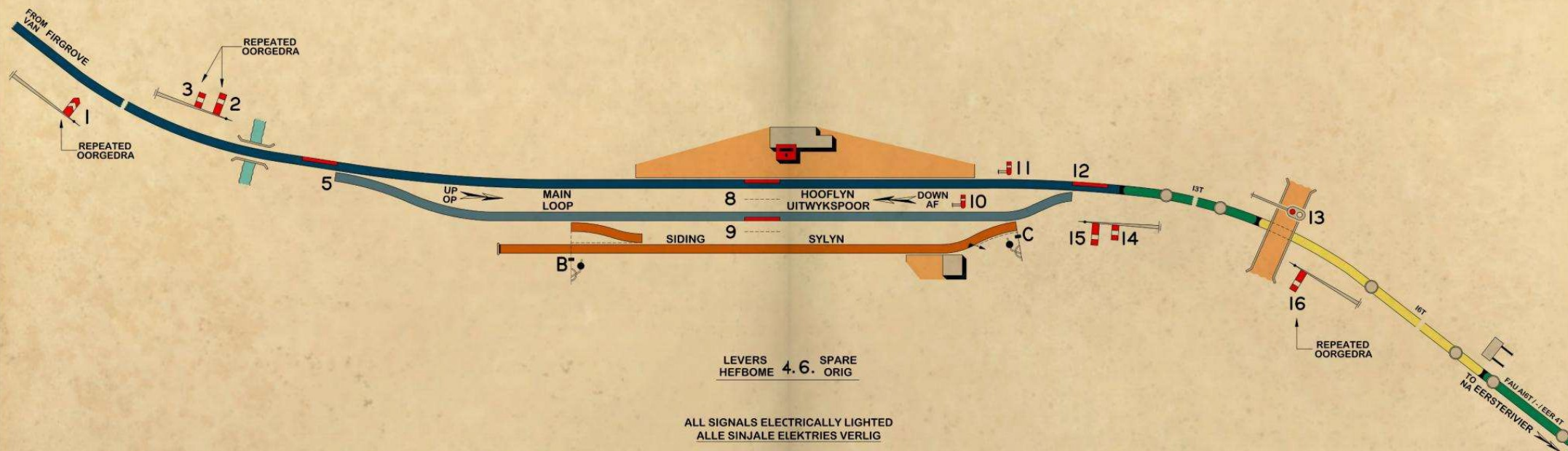
BACKSTROKE OF 2 LOCKS (2.15.:7:) UNTIL 8 PULLED AND REPLACED.
TERUGSLAG VAN GRENDSEL TOTDAT OORGETREK EN HERSTEL IS.

○ ○
1. SIGNAL 2 / 3. SIGNAL

FAURE

BACKSTROKE OF 14 LOCKS 14.3. UNTIL 9 PULLED AND REPLACED.
TERUGSLAG VAN GRENDSEL TOTDAT OORGETREK EN HERSTEL IS.

BACKSTROKE OF 15 LOCKS (15.2.:7:) UNTIL 8 PULLED AND REPLACED.
TERUGSLAG VAN GRENDSEL TOTDAT OORGETREK EN HERSTEL IS.



ORDER OF WORKING FOR CLOSING STATION.

1. KEY D. RELEASES LEVER 7.
2. LEVER 7. PULLED HALF OVER.
3. LINE CLEAR OBTAINED FROM EERSTERVIER.
4. LEVERS 2, 11, 13, 15. PULLED OVER.
5. LEVER 13. REPLACED.
6. LINE CLEAR CANCELLED.
7. LEVERS 1, 16. PULLED OVER.
8. LEVER 7. PULLED FULL OVER.
9. KEY D. WITHDRAWN AND PLACED UNDER LOCK & KEY IN STATION OFFICE.

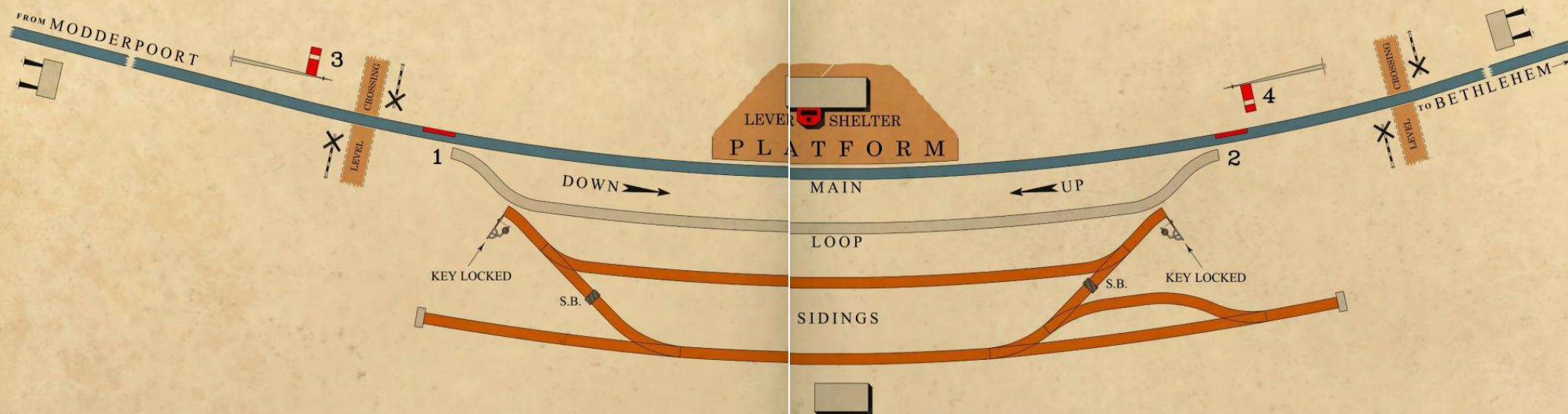
BEDRYFSMETODE VIR UITSKAKELING VAN STASIE.

1. SLEUTEL D. ONTKOPPEL HEFBOM 7.
2. HEFBOM 7. HALFPAD OORGETREK.
3. LYNVRY VERKRY VANAF EERSTERVIER.
4. HEFBOME 2, 11, 13, 15. OORGETREK.
5. HEFBOM 13. TERUGGEPLAAS.
6. LYNVRY GEKANSELLER.
7. HEFBOME 1, 16. OORGETREK.
8. HEFBOM 7. HEELTEMEL OORGETREK.
9. SLEUTEL D. UITGETREK EN IN STASIEKANTOOR OPGESLUIT.

— S.A.R. —

FICKSBURG

— DIAGRAM OF SIGNALS & LOCKING —



— MECHANICAL LOCKING —

WORK	DESCRIPTION	RELEASED BY	WORK	LOCKING
1.	DOWN MAIN TO LOOP FACING POINTS.		1.	3.
2.	UP MAIN TO LOOP FACING POINTS.		2.	3.
3.	DOWN HOME SIGNAL.		3.	1,2,4.
4.	UP HOME SIGNAL.	(Nil or 1,2.)	4.	3.

S.A.R.
ENGINEER'S DRAWING OFFICE
BLOEMFONTEIN

J. S. R.
ASSISTANT SUPERINTENDENT (SIGNALS)

SOUTH AFRICAN RAILWAYS.

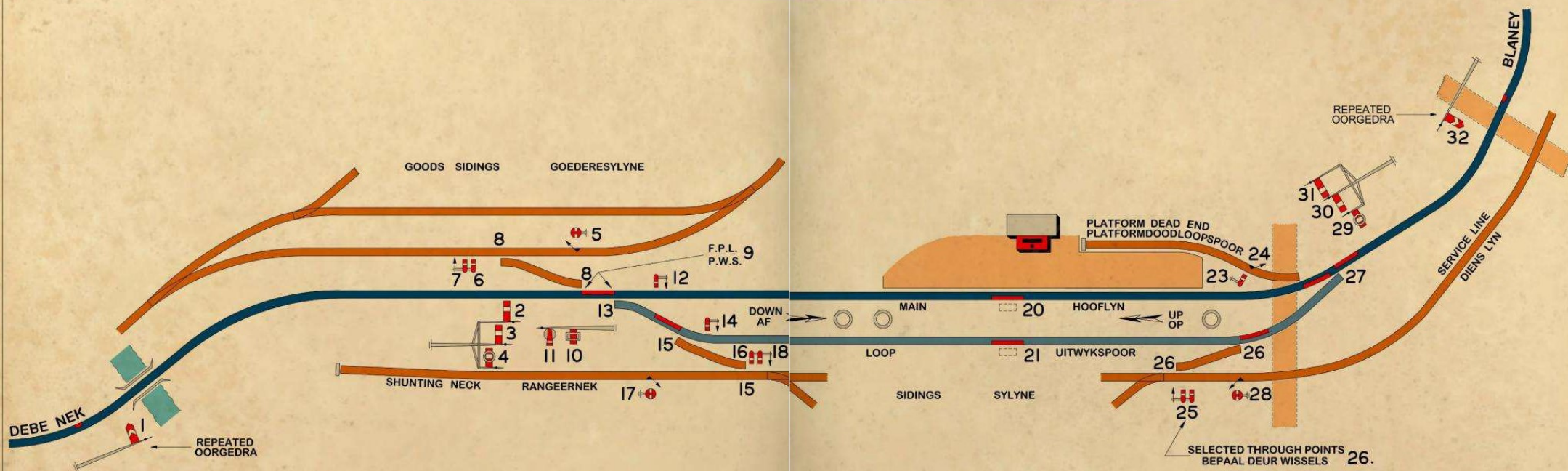
25. 11. 1912.

FXB 449

No. 204
BFX. U 102



KING WILLIAMSTOWN



LEVER
HEFBOOM 9. SPARE
ORIG
ALL SIGNALS ELECTRICALLY ILLUMINATED
ALLE SINJALE ELEKTRIS VERLIG

ORDER OF WORKING FOR CLOSING STATION

1. KEY D RELEASES LEVER 22.
2. LEVER 22 PULLED HALF OVER.
3. LEVERS 1. 32. PULLED OVER.
4. LEVER 22 PULLED FULL OVER.
5. KEY D WITHDRAWN & PLACED UNDER LOCK & KEY IN STATION OFFICE.

BEDRYFSMETODE VIR UITSKAKELING VAN STASIE

1. SLEUTEL D ONTKOPPEL HEFBOOM 22.
2. HEFBOOM 22 HALFPAD OORGETREK.
3. HEFBOME 1. 32. OORGETREK.
4. HEFBOOM 22 HEELTEMAL OORGETREK.
5. SLEUTEL D UITGETREK EN IN STASIEKANTOOR OPGESLUIT.

KOELENHOF

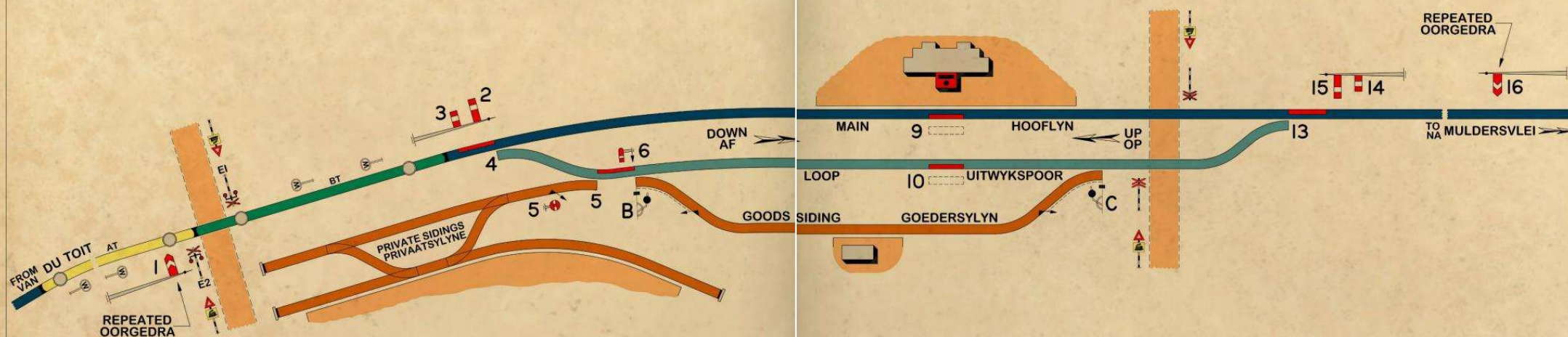
BACKSTROKE OF 2 LOCKS (2.15.:8:) UNTIL 9 PULLED AND REPLACED.
TERUGSLAG VAN 2 GREDEL (2.15.:8:) TOTDAT 9 OORGETREK EN HERSTEL IS.

BACKSTROKE OF 3 LOCKS 3.14. UNTIL 10 PULLED AND REPLACED.
TERUGSLAG VAN 3 GREDEL 3.14. TOTDAT 10 OORGETREK EN HERSTEL IS.

BACKSTROKE OF 8 LOCKS 2.15. UNTIL 9 PULLED AND REPLACED.
TERUGSLAG VAN 8 GREDEL 2.15. TOTDAT 9 OORGETREK EN HERSTEL IS.

BACKSTROKE OF 14 LOCKS 14.3. UNTIL 10 PULLED AND REPLACED.
TERUGSLAG VAN 14 GREDEL 14.3. TOTDAT 10 OORGETREK EN HERSTEL IS.

BACKSTROKE OF 15 LOCKS (15.2.:8:) UNTIL 9 PULLED AND REPLACED.
TERUGSLAG VAN 15 GREDEL (15.2.:8:) TOTDAT 9 OORGETREK EN HERSTEL IS.



FLASHLIGHTS OPERATED BY

DOWN - AT
UP - BT

FLIKKERLIGTE BEDIEN DEUR

AF - AT
OP - BT

ORDER OF WORKING FOR CLOSING STATION

1. KEY D RELEASES LEVER 8.
2. LEVER 8. PULLED HALF OVER.
3. LEVERS 2.1.15.16. PULLED OVER.
4. LEVER 8. PULLED FULL OVER.
5. KEY D WITHDRAWN & PLACED UNDER LOCK & KEY IN STATION OFFICE

LEVERS 7. 1.12. SPARE
HEFBOME ORIG

ALL SIGNALS ELECTRICALLY LIGHTED
ALLE SINJALE ELEKTRIES VERLIG

BEDRYFSMETODE VIR UITSKAKELING VAN STASIE.

1. SLEUTEL D ONTKOPPEL HEFBOOM 8.
2. HEFBOOM 8. HALFPAD OORGETREK.
3. HEFBOME 2.1.15.16. OORGETREK.
4. HEFBOOM 8. HEELTEMAAL OORGETREK.
5. SLEUTEL D UITGETREK EN IN STASIEKANTOOR OPGESLUIT

— S.A.R. —

LIDGETTON

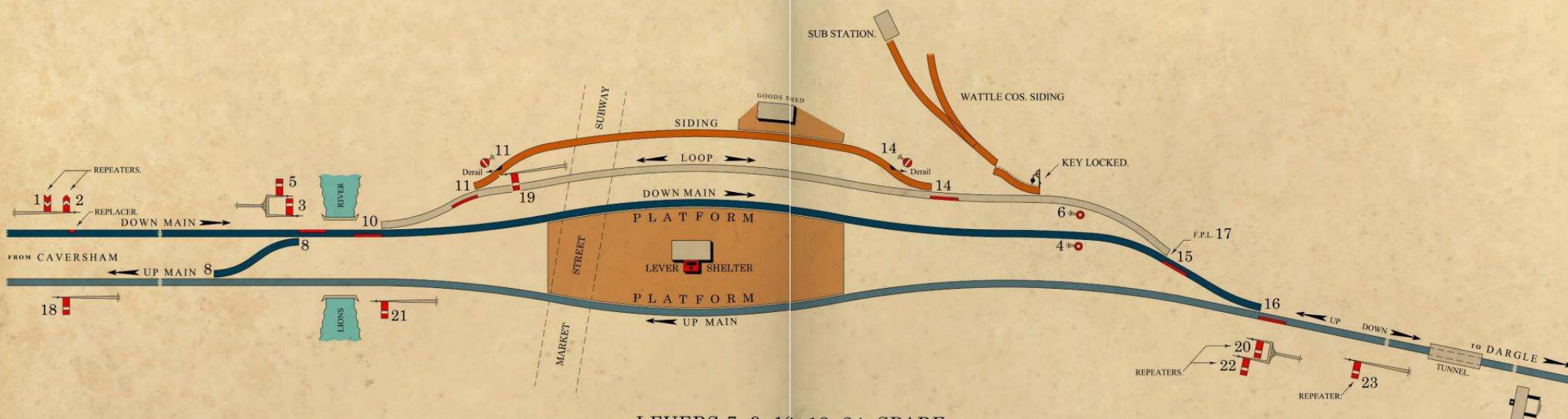
— DIAGRAM OF SIGNALS —

NATAL SYSTEM

BALGOWAN.

Double Line Three Indication
Block Instruments.

DARGLE.

Standard Electric Train Staff.
Absolute Working.

— LEVERS 7. 9. 12. 13 .24. SPARE —

— NAMING OF LEVERS. —

1. DOWN MAIN DISTANT SIGNAL.
2. DOWN MAIN OUTER HOME SIGNAL.
3. DOWN MAIN HOME SIGNAL.
4. DOWN MAIN DISC.
5. DOWN MAIN TO LOOP HOME SIGNAL.
6. LOOP TO DOWN MAIN DISC.
7. SPARE LEVER.
8. DOWN MAIN TO UP MAIN FACING & CROSSOVER POINTS.

— NAMING OF LEVERS. —

9. SPARE LEVER.
10. DOWN MAIN TO LOOP DOWN FACING POINTS.
11. LOOP TO SIDING DOWN FACING POINTS, DERAIL & INDICATOR.
12. SPARE LEVER.
13. SPARE LEVER.
14. LOOP TO SIDING UP FACING POINTS, DERAIL & INDICATOR.
15. LOOP TO DOWN MAIN UP FACING POINTS.
16. DOWN MAIN UP FACING POINTS.

— NAMING OF LEVERS. —

17. F.P.L. ON POINTS 15. POINTS NORMALLY UNLOCKED.
18. UP MAIN ADVANCE STARTING SIGNAL.
19. LOOP TO UP MAIN STARTING SIGNAL.
20. UP MAIN TO LOOP HOME SIGNAL No 2.
21. UP MAIN STARTING SIGNAL.
22. UP MAIN HOME SIGNAL No 2.
23. UP MAIN HOME SIGNAL No 1.
24. SPARE LEVER.
- KEY. FOR WATTLE COS. SIDING.



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17. February. 2018.

S.A.R. 638
ENGINEER'S DRAWING OFFICE
DURBAN

P. Anderson
SUPERINTENDENT (SIGNALS)
SOUTH AFRICAN RAILWAYS.
16. 11. 1925.

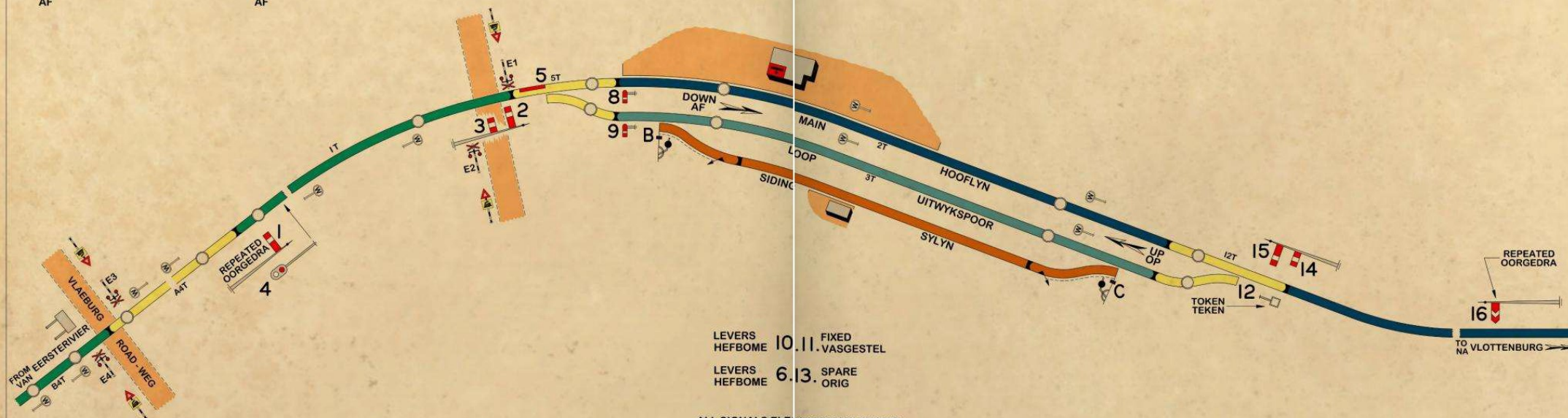
LYNEDOCH

FLASHLIGHTS 3 & 4 OPERATED BY
FLIKKERLIGTE 3 & 4 BEDIEN DEUR

UP - A4T
OP
DOWN - B4T
AF

FLASHLIGHTS 1 & 2 OPERATED BY
FLIKKERLIGTE 1 & 2 BEDIEN DEUR

UP - 5T / (5T & 2T) 8 / (5T & 3T) 9
OP
DOWN - 1T / (1T) 2 / (1T) 3
AF



LEVERS
HEFBOME 10.11. FIXED
VASGESTEL

LEVERS
HEFBOME 6.13. SPARE
ORIG

ALL SIGNALS ELECTRICALLY LIGHTED
ALLE SINJALE ELEKTRIES VERLIG

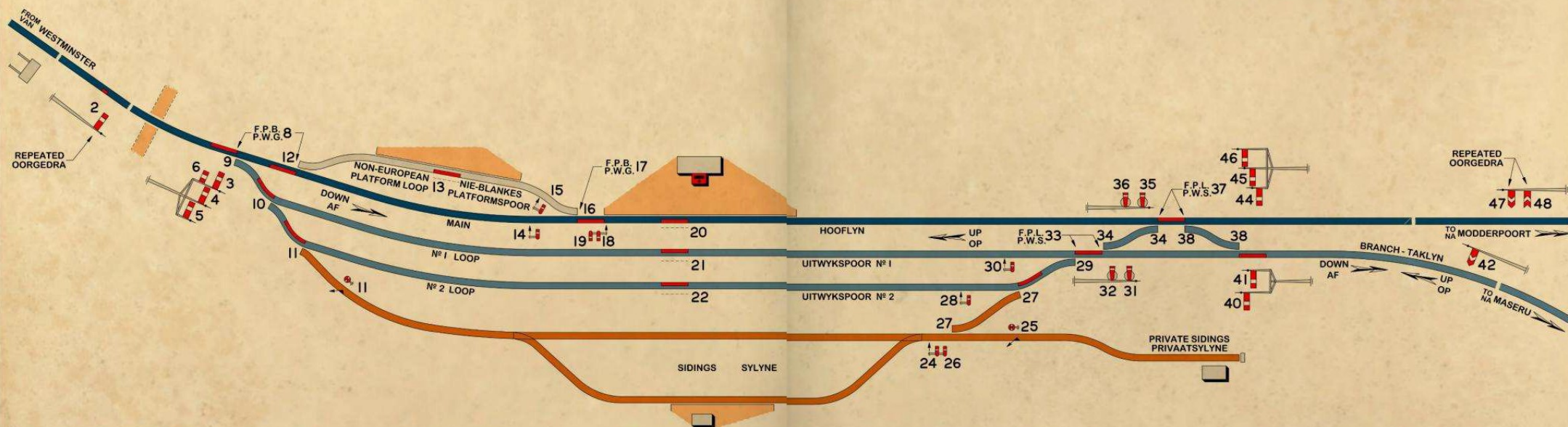
ORDER OF WORKING FOR CLOSING STATION.

1. LINE CLEAR OBTAINED FROM EERSTERIVIER.
2. LEVER 4. PULLED OVER.
3. KEY D. RELEASES LEVER 7.
4. LEVER 7. PULLED HALF OVER.
5. LEVERS 2, 8, 15. PULLED OVER.
6. LEVER 4. REPLACED.
7. LINE CLEAR CANCELLED.
8. LEVERS 1, 16. PULLED OVER.
9. LEVER 7. PULLED FULL OVER.
10. KEY D. WITHDRAWN AND PLACED UNDER LOCK & KEY IN STATION OFFICE.

BEDRYFSMETODE VIR UITSKAKELING VAN STASIE.

1. LYNVRY VERKRY VANAF EERSTERIVIER.
2. HEFBOOM 4. OORGETREK.
3. SLEUTEL D. ONTKOPPEL HEFBOOM 7.
4. HEFBOOM 7. HALFPAD OORGETREK.
5. HEFBOME 2, 8, 15. OORGETREK.
6. HEFBOOM 4. TERUGGEPLAAS.
7. LYNVRY GEKANSELLER.
8. HEFBOME 1, 16. OORGETREK.
9. HEFBOOM 7. HEELTEMAL OORGETREK.
10. SLEUTEL D. UITGETREK EN IN STASIEKANTOOR OPGESLUIT.

MARSEILLES



LEVERS
HEFBOME I. 739.43. SPARE
ORIG

ALL SIGNALS ELECTRICALLY LIGHTED
ALLE SINJALE ELEKTRIES VERLIC

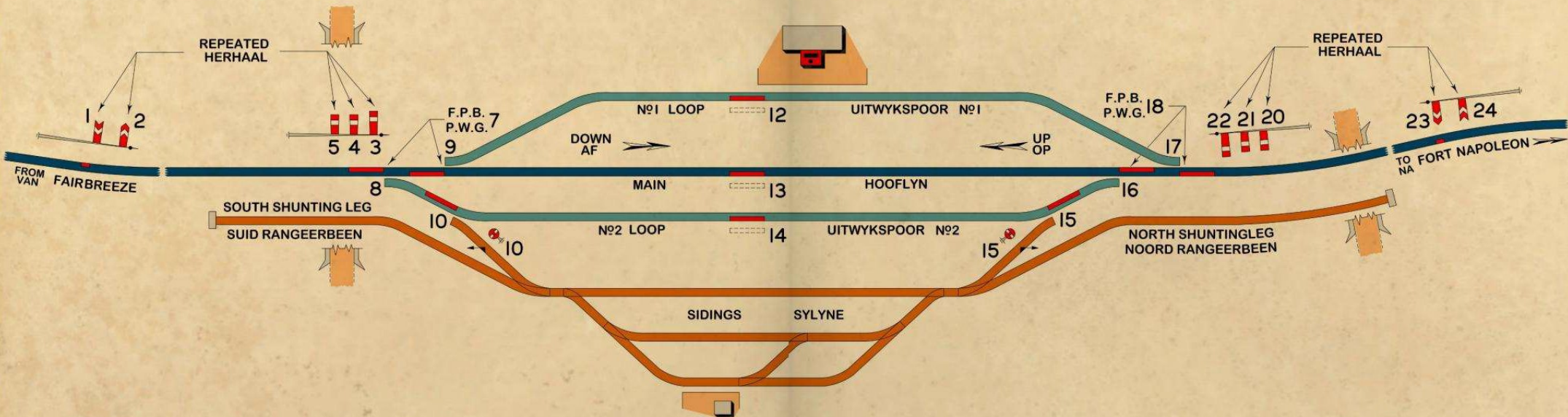
ORDER OF WORKING FOR CLOSING STATION

1. KEY D RELEASES LEVER 23.
2. LEVER 23, PULLED HALF OVER.
3. LEVERS 3, 2, 35, 48, PULLED OVER.
4. LEVER 23, PULLED FULL OVER.
5. KEY D WITHDRAWN & PLACED UNDER LOCK & KEY IN STATION OFFICE.

BEDRYFSMETODE VIR UITSKAKELING VAN STASIE.

1. SLEUTEL D ONTKOPPEL HEFBOOM 23.
2. HEFBOOM 23, HALFPAD OORGETREK.
3. HEFBOME 3, 2, 35, 48, OORGETREK.
4. HEFBOOM 23, HEELTEMAAL OORGETREK.
5. SLEUTEL D UITGETREK EN IN STASIEKANTOOR OPGESLUIT.

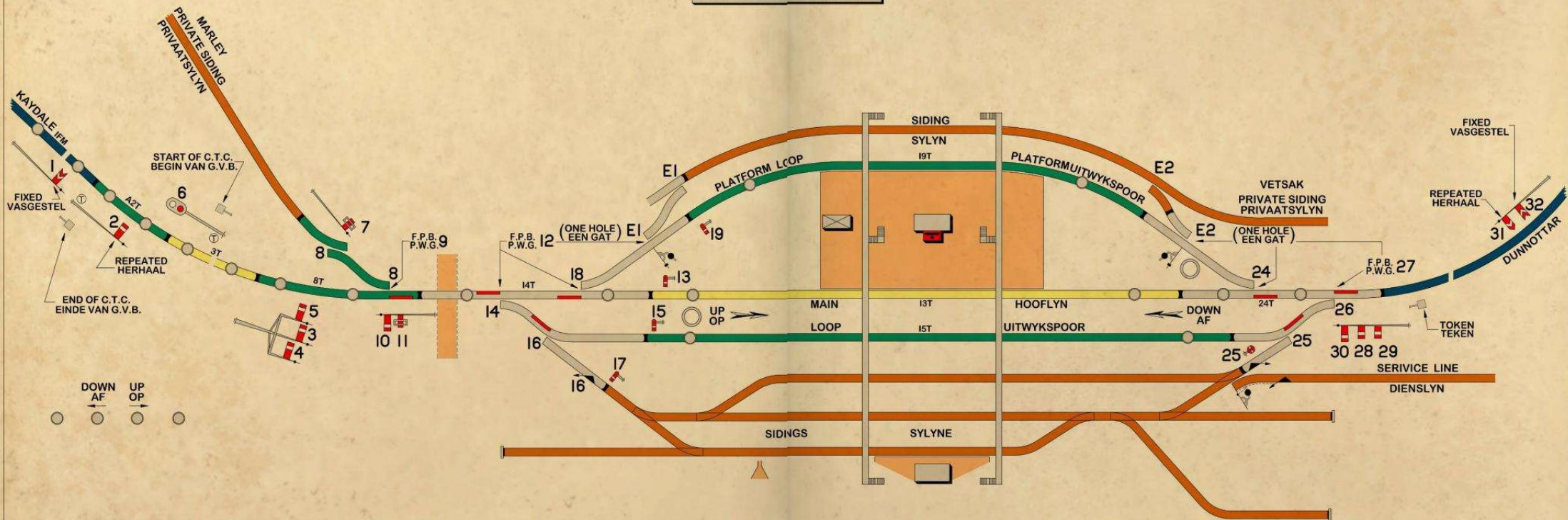
MTUNZINI



LEVERS
HEFBOME 6. 11. 19. SPARE
ORIG

ALL SIGNALS ELECTRICALLY LIGHTED
ALLE SINJALE ELEKTRIES VERLIG

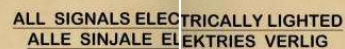
NIGEL



LEVERS
HEFBOME 1. 20. 21. 22. 23. 32

FIXED IN NORMAL POSITION
IN NORMALE STAND VASGESTEL

ALL SIGNALS ELECTRICALLY LIGHTED
ALLE SINJALE ELEKTRIES VERLIG

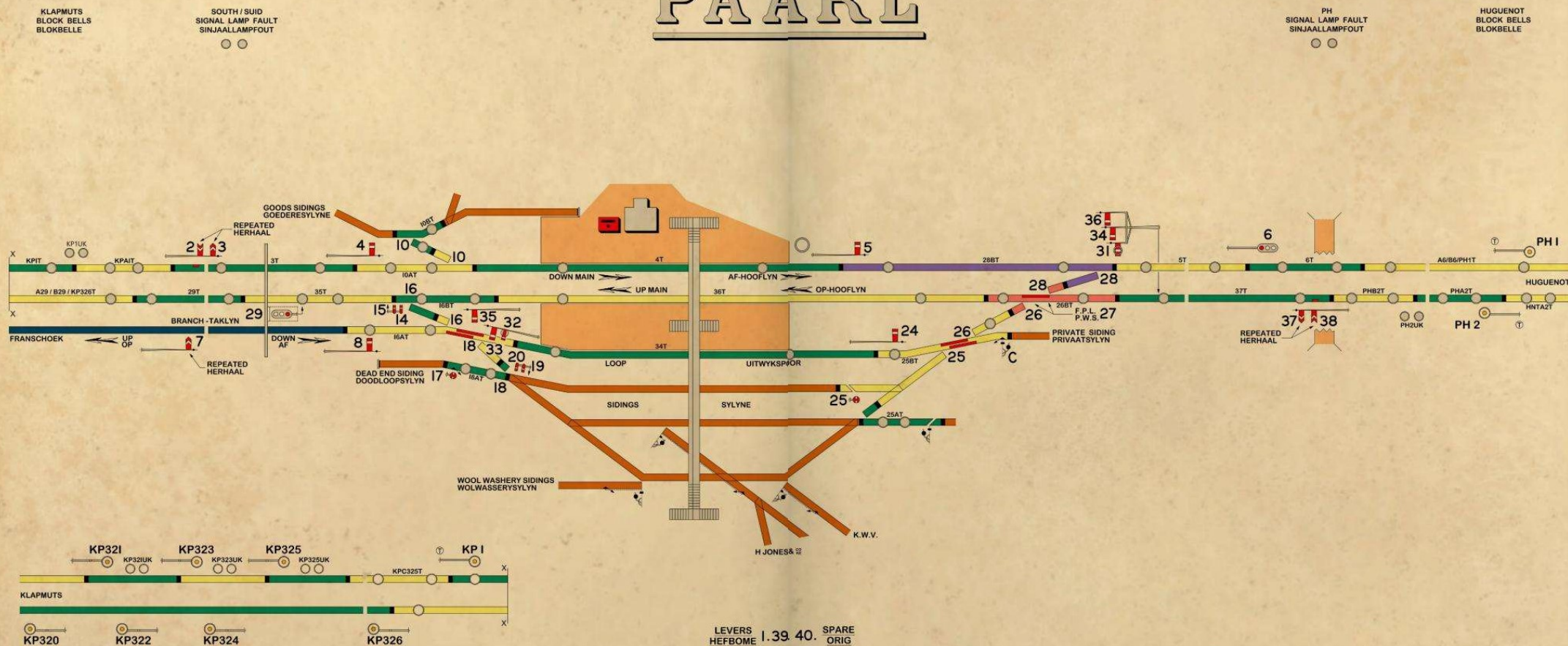


S. A. R. ~ S. A. S.		HERSTENING	
SYSTEM AFDELING SIGNALS SINJALE	C.R. COLLEN.	C.F. FOURIE.	No S/PLZ 3G
SYSTEM MANAGER AFDELINGSBESTUURDER	CHIEF SIGNAL ENGINEER HOOFDSINJALINGENIEUR	313	
PORT ELIZABETH	DATE: 1 - 7 - 1975	DATUM:	AMENDMENT WYSIGING 123
			4

LEVERS
HEFBOME 1.39.40. SPARE
ORIG

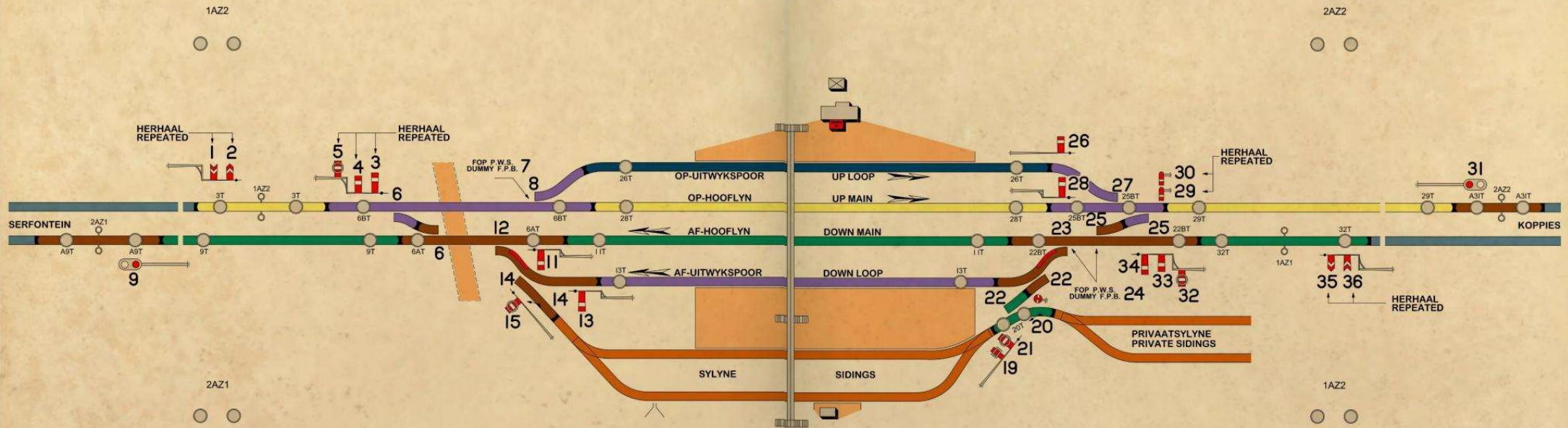
LEVERS
HEFBOME 9.10.11.12.13.21.22.23.30. SPIKED
VASGENAEL

ALL SIGNALS ELECTRICALLY LIGHTED
ALLE SINJALE ELEKTRISCH VERLICHT



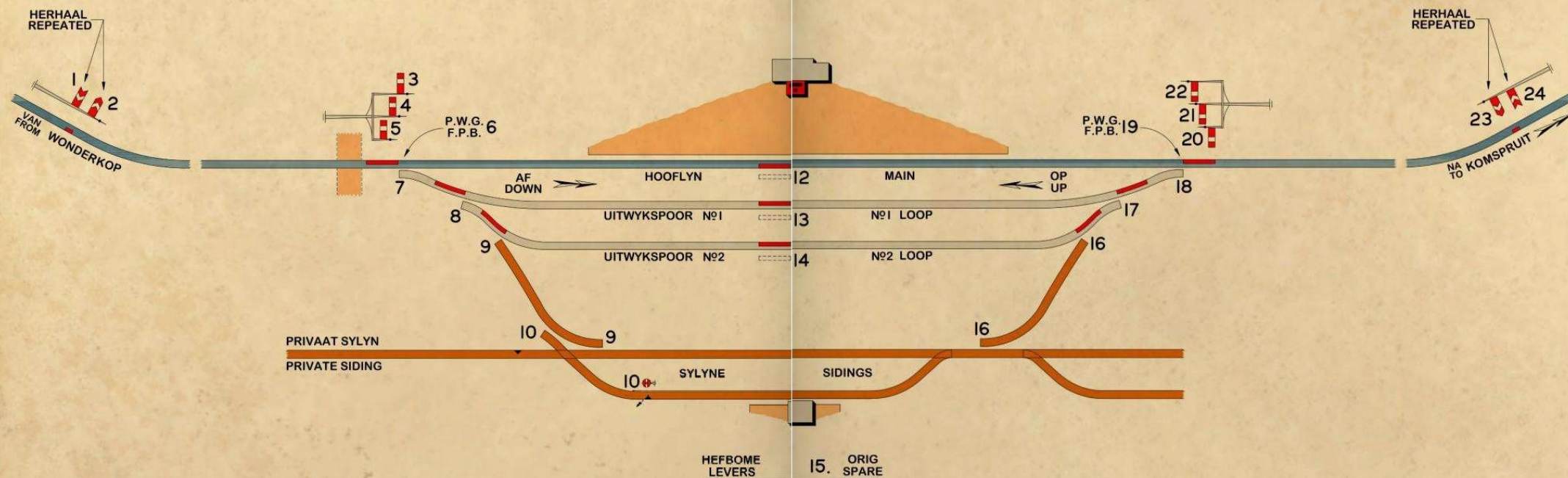
S. A. R. ~ S. A. S.		HERSIENING	
SYSTEM AFDELING	E. JOUBERT.	C.F. FOURIE.	No
SIGNALS SINJALE	SYSTEM MANAGER	CHIEF SIGNAL ENGINEER	18
CARE TOWN KAPSTAD	AFDELINGSBESTUURDER	HOOFDSINJALENGENIEUR	234
DATE:	1 - 2 - 1975	DATUM:	AMENDMENT WYSIGNING

ROOIWAL



HEFBOME LEVERS 10. 16. 17. 18. ORIG. SPARE.

STEYNSRUS



BEDRYFSMETODE VIR UITSKAKELING VAN STASIE.

1. SLEUTEL D ONTKOPPEL HEFBOOM II.
2. HEFBOOM II. HALFPAD OORGETREK.
3. HEFBOME I. 24. OORGETREK.
4. HEFBOOM II. HEELTEMAAL OORGETREK.
5. SLEUTEL D UITGETREK EN IN STASIEKANTOOR OPGESLUIT

ORDER OF WORKING FOR CLOSING STATION

1. KEY D RELEASES LEVER II.
2. LEVER II. PULLED HALF OVER.
3. LEVERS I. 24. PULLED OVER.
4. LEVER II. PULLED FULL OVER.
5. KEY D WITHDRAWN & PLACED UNDER LOCK & KEY IN STATION OFFICE

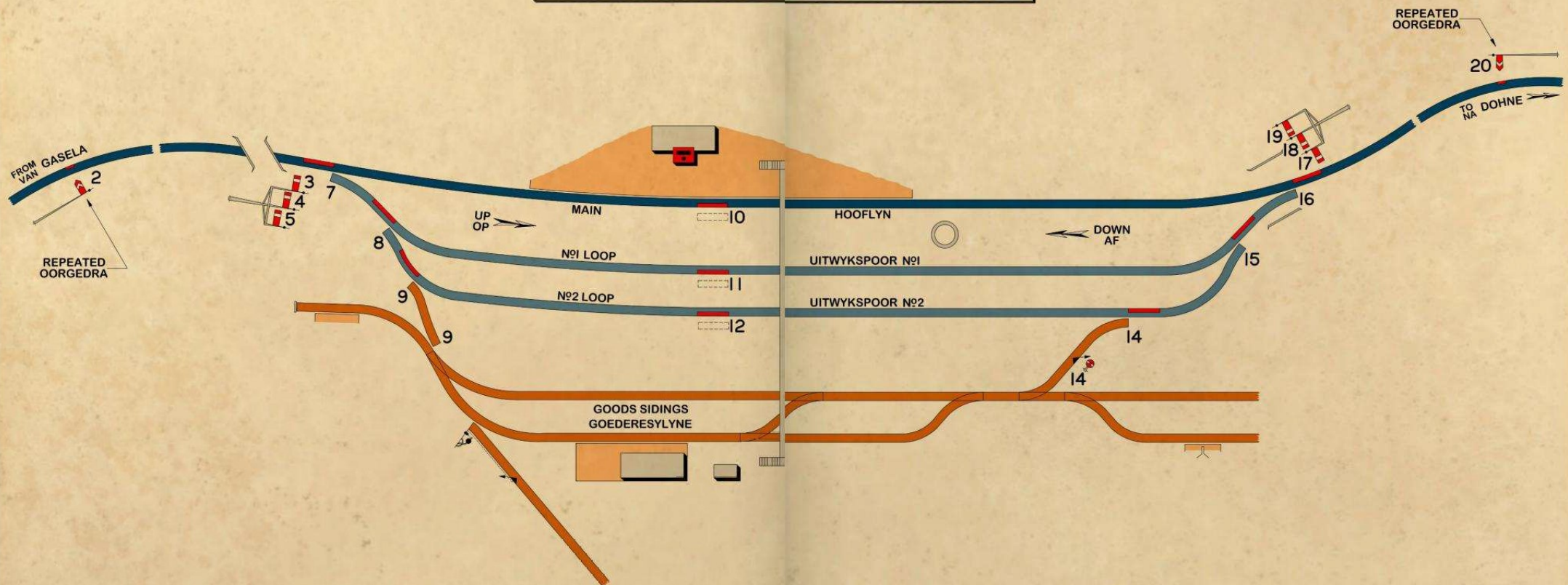
© GREG HART.
31. JULY. 2013.

S/BFX - 5G - 421/5 - SYS

S. A. S. ~ S. A. R.		No	
SYSTEM AFDELING	W.J. OTTO.	P.L. BLIGNAUT.	S/BFX 5G
SIGNALS	SYSTEM MANAGER	CHIEF SIGNAL ENGINEER	421/5
SINIALE	AFDELINGSBESTUURDER	HOOFDSINIAALINGENIEUR	AMENDMENT 234
BLOEMFONTEIN	DATUM: 30 - 3 - 1975	DATE:	WYSIGING

REVISIONS
HERSIENINGS

STUTTERHEIM



ORDER OF WORKING FOR CLOSING STATION

1. KEY D RELEASES LEVER 13.
2. LEVER 13, PULLED HALF OVER.
3. LEVERS 3, 2, 19, 20, PULLED OVER.
4. LEVER 13, PULLED FULL OVER.
5. KEY D WITHDRAWN & PLACED UNDER LOCK & KEY IN STATION OFFICE

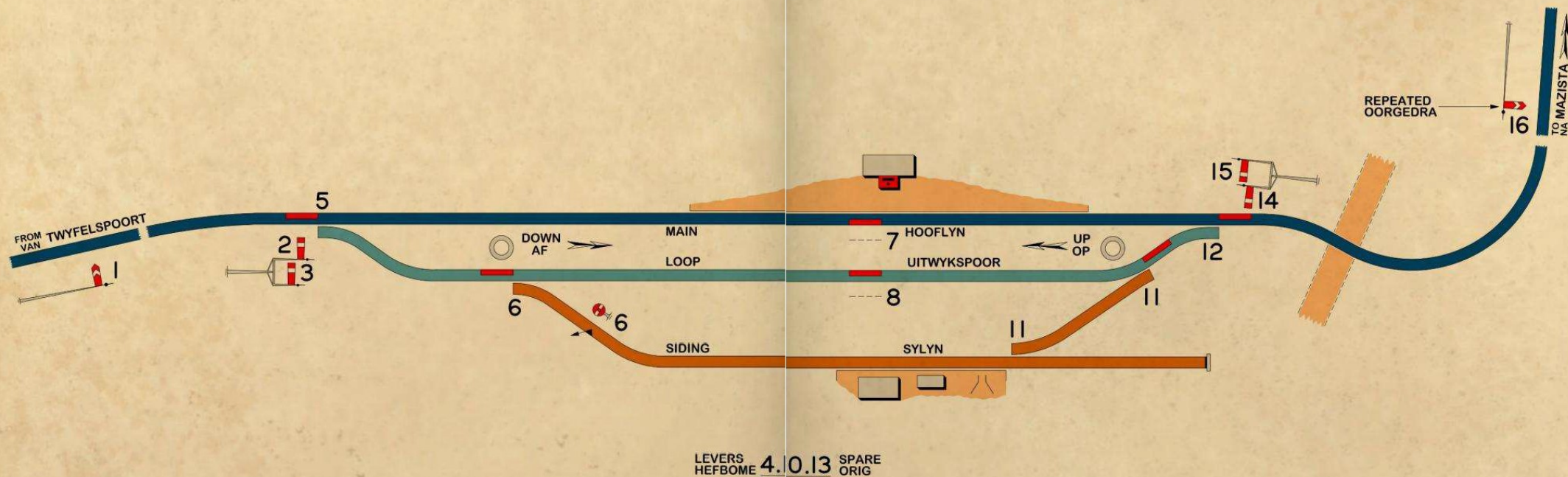
BEDRYFSMETODE VIR UITSKAKELING VAN STASIE

1. SLEUTEL D ONTKOPPEL HEFBOOM 13.
2. HEFBOOM 13, HALFPAD OORGETREK.
3. HEFBOME 3, 2, 19, 20, OORGETREK.
4. HEFBOOM 13, HEELTEMAAL OORGETREK.
5. SLEUTEL D UITGETREK EN IN STASIEKANTOOR OPGESLUIT

LEVERS 1. 6. SPARE
HEFBOME 1. 6. ORIG

ALL SIGNALS ELECTRICALLY LIGHTED
ALLE SINJALE ELEKTRIES VERLIG

SWARTRUGGENS



ORDER OF WORKING FOR CLOSING STATION

1. KEY D RELEASES LEVER 9.
2. LEVER 9. PULLED HALF OVER.
3. LEVERS 2, 1, 15, 16. PULLED OVER.
4. LEVER 9. PULLED FULL OVER.
5. KEY D WITHDRAWN & PLACED UNDER LOCK & KEY IN STATION OFFICE.

BEDRYFSMETODE VIR UITSKAKELING VAN STASIE

1. SLEUTEL D ONTKOPPEL HEFBOME 9.
2. HEFBOME 9. HALFPAD OORGETREK.
3. HEFBOME 2, 1, 15, 16. OORGETREK.
4. HEFBOME 9. HEELTEMAL OORGETREK.
5. SLEUTEL D UITGETREK EN IN STASIEKANTOOR OPGESLUIT.

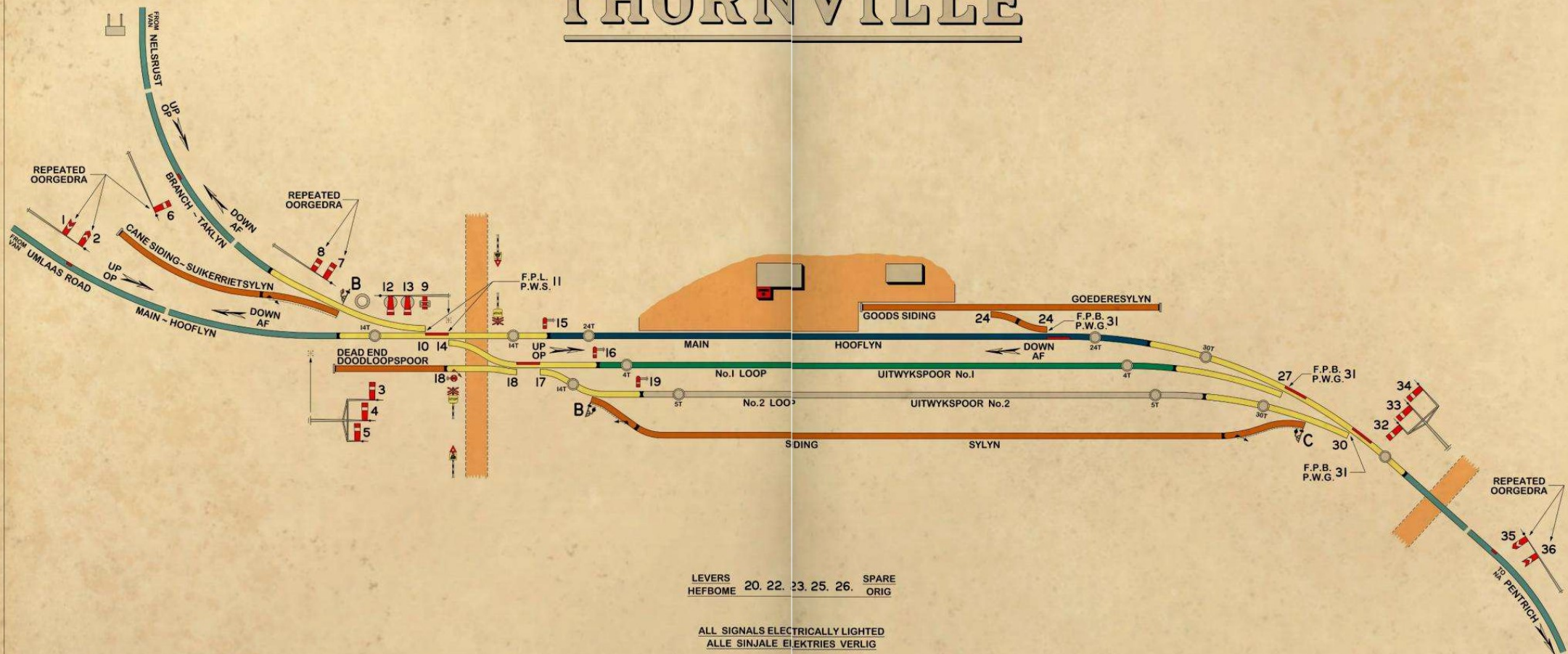
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16. JUNE. 2017.

S/JHB - 7G - 583 - SWU

S. A. R. ~ S. A. S.		No S/JHB 7G	
SYSTEM	J.M.T. GROBLER	P.L. BLIGNAUT.	583
AFDELING	SYSTEM MANAGER	CHIEF SIGNAL ENGINEER	
SIGNALS	AFDELINGSBESTUURDER	HOOFDSINJAALINGENIEUR	
SINJALE			
JOHANNESBURG	DATE: 14 - 12 - 1968	DATUM:	AMENDMENT WYSIGING

THORNVILLE



LEVERS
HEFBOME 20. 22. 23. 25. 26. SPARE
ORIG

ALL SIGNALS ELECTRICALLY LIGHTED
ALLE SINJALE ELEKTRIES VERLIG

LEVERS
HEFBOME 28. 29. FIXED IN NORMAL POSITION
IN NORMALE STAND VASGESTEL

ORDER OF WORKING FOR CLOSING STATION

1. KEY D RELEASES LEVER 21.
2. LEVER 21 PULLED HALF OVER.
3. LEVERS 1. 36. PULLED OVER.
4. LEVER 21. PULLED FULL OVER.
5. KEY D WITHDRAWN & PLACED UNDER LOCK & KEY IN STATION OFFICE.

BEDRYFSMETODE VIR UITSKAKELING VAN STASIE

1. SLEUTEL D ONTKOPPEL HEFBOM 21.
2. HEFBOM 21 HALFPAD OORGETREK.
3. HEFBOME 1. 36. OORGETREK.
4. HEFBOM 21. HEELTEMAL OORGETREK.
5. SLEUTEL D UITGETREK EN IN STASIEKANTOOR OPGESLUIT.

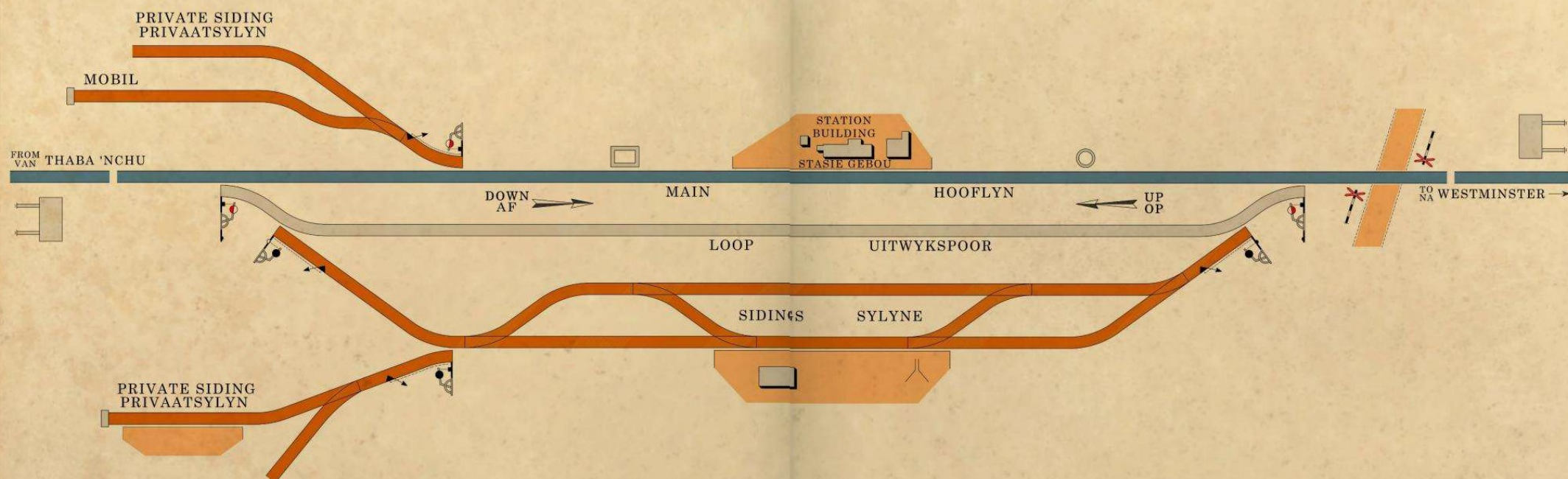
THABA 'NCHU
TELEGRAPH ORDER METHOD
TELEGRAAFORDERSTELSEL

— S. A. R. · S. A. S. —

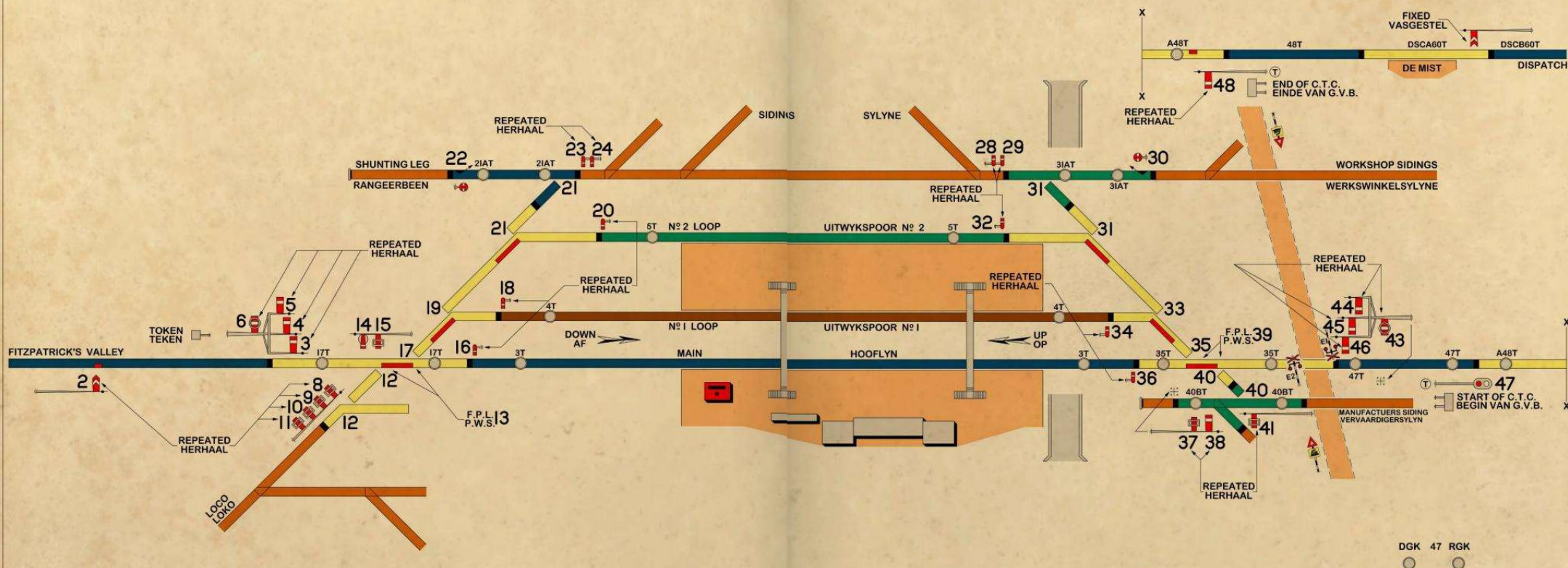
WESTMINSTER
TELEGRAPH ORDER METHOD
TELEGRAAFORDERSTELSEL

TWEESPRUIT

— STATION DIAGRAM —
— STASIEDIAGRAM —



UITENHAGE



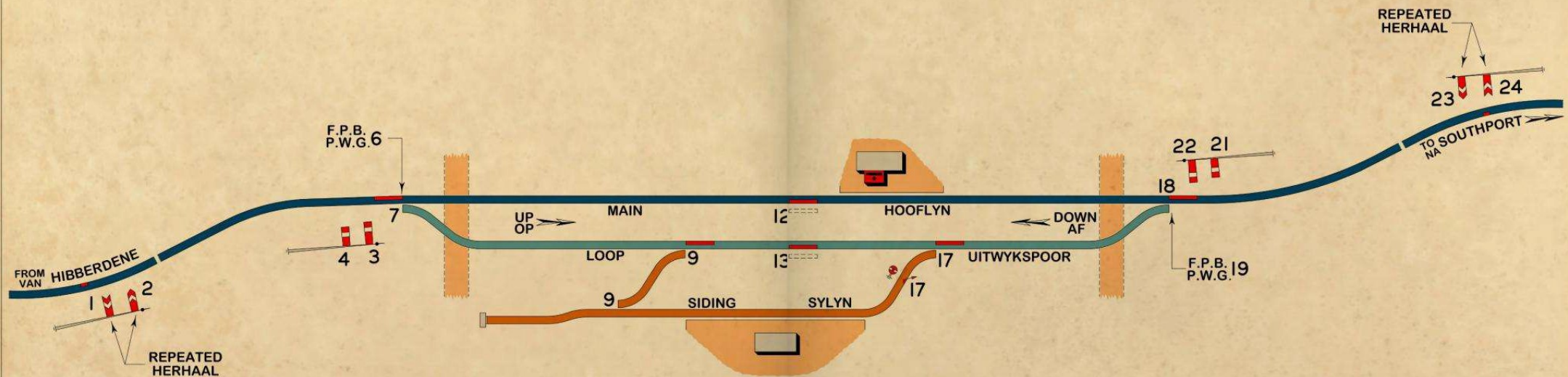
LEVERS
HEFBOME 1.7.25.26.27.42. SPARE
ALL SIGNALS ELECTRICALLY LIGHTED
ALLE SINJALE ELEKTRIS VERLIG

ALGOA ROAD
WEG
UP/OP
DOWN/AF

MEL BROOKS AVENUE
LAAN
UP/OP
DOWN/AF

DGK 47 RGK

UMZUMBE



LEVERS
HEFBOME 5. 8. 10. 14. 15. 16. 20. SPARE
ORIG

ALL SIGNALS ELECTRICALLY LIGHTED
ALLE SINJALE ELEKTRIES VERLIG

ORDER OF WORKING FOR CLOSING STATION

1. KEY D RELEASES LEVER II.
2. LEVER II. PULLED HALF OVER.
3. LEVERS I. 24. PULLED OVER.
4. LEVER II. PULLED FULL OVER.
5. KEY D WITHDRAWN & PLACED UNDER LOCK & KEY IN STATION OFFICE

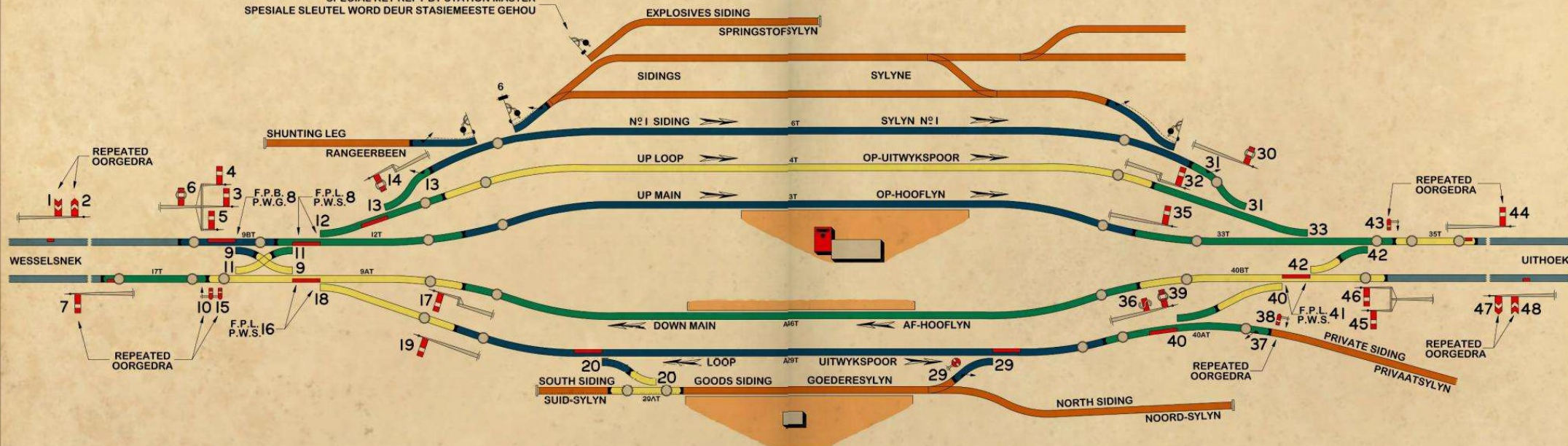
BEDRYFSMETODE VIR UITSKAKELING VAN STASIE.

1. SLEUTEL D ONTKOPPEL HEFBOOM II.
2. HEFBOOM II. HALFPAD OORGETREK.
3. HEFBOME I. 24. OORGETREK.
4. HEFBOOM II. HEELTEMAAL OORGETREK.
5. SLEUTEL D UITGETREK EN IN STASIEKANTOOR OPGESLUIT

1975 PROPOSAL

WASBANK

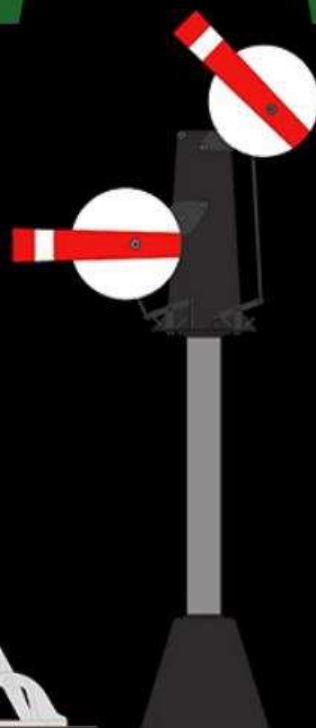
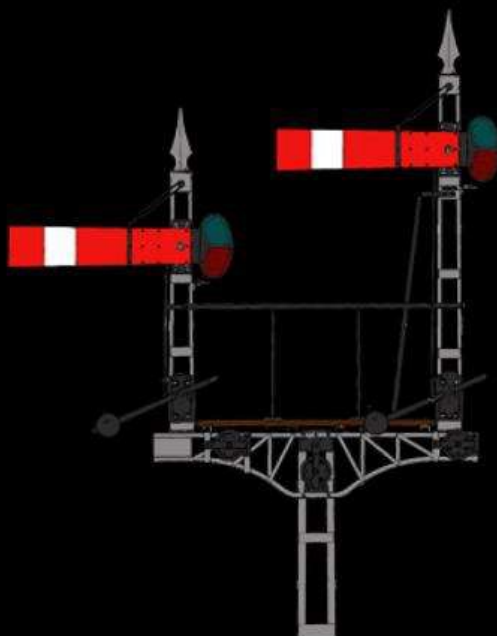
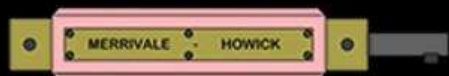
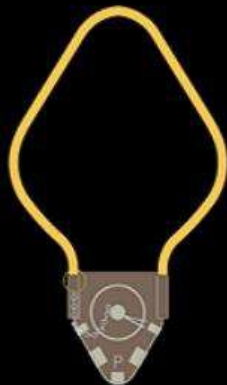
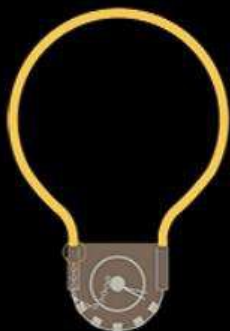
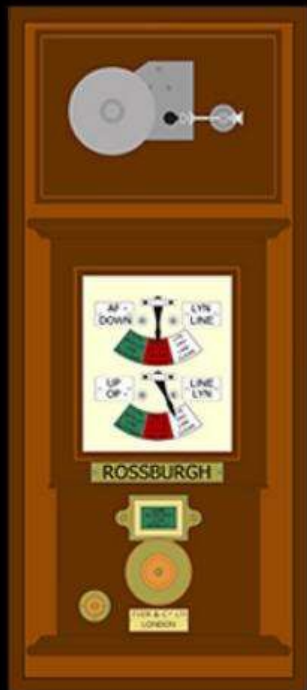
SPECIAL KEY KEPT BY STATION MASTER
SPESIALE SLEUTEL WORD DEUR STASIEMEESTE GEHOU



LEVERS 21. 22. 23. 25. 26. 27. 28. SPARE
HEFBOME ORIG

LEVERS 24.34. FIXED IN NORMAL POSITION
HEFBOME IN NORMALE STAND VASGESTEL

ALL SIGNALS ELECTRICALLY LIGHTED
ALLE SINJALE ELEKTRIES VERLIG



S. TO S. CODES

BER	...	—
HLS	..	—
MVN	—	..
NOR	...	
SRA	..	—
PIN	..	—
KNF	..	—
HLR	..	—
BHL	...	
IGA	—	—
COR	..	—
TVE	..	—
EXCH	—	—



WISSELS !!!

IS DIË REGGESTEL ?

POINTS !!!

ARE THEY CORRECTLY SET ?

Bedryfsveiligheid



Operating Safety

